



Client Name	Whiting Petroleum Corp.	Well Name	Razor 26k-2907A 3507	JobDate	March 26, 2014	Call Sheet	1040521
Client Representative	Kenny Willkerson	Location	Sec 26:T10N:R58W	Job Type	Intermediate Casing	Rig	Frontier 26

Well Profile	Well Type:	Oil
Maximum Treating Pressure (psi):	---	
Predicted Bottom Hole Static Temperature (°F):	200.00 @	
Bottom Hole Circulating Temperature (°F):	165.00 @	
Bottom Hole Logged Temperature (°F):	---	@
Open Hole	Size (in)	8.750
	Excess (%)	35.000
	I.M.D. From (ft)	0.000
	I.M.D. To (ft)	6,028.800
	T.V.D. From (ft)	---
	T.V.D. To (ft)	---

Casing		Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
		(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
		7.000	29.000	L-80	7,030.0	8,160.0	223.96	6.184	7.656	0.0	6,028.8
Tubing		Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To	
		(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
		2.875	0.000						5,000.000	5,400.000	

Products		From Depth (ft):	To Depth (ft):	Acids/Blends/Fluids:
		0	6028.8	
Lead 1: 455 Sacks of 1:2:6 Poz G, Density = 12.5 lb/gal, Volume Pumped = 153 (bbl) Water Temperature(°F) = 58 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 68 + 0.5 % of CFL-4 (Preblend), + 0.2 % of CFR (Preblend), + 6 % of Gel (Preblend), + 0.15 % of LTR (Preblend), + 0.25 % of Polyfak (Preblend)				
Tail: 235 Sacks of 1:1:0 Poz G, Density = 13.5 lb/gal, Volume Pumped = 65 (bbl) Water Temperature(°F) = 58 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 68 + 0.7 % of CFL-3 (Preblend), + 8 % of Sillitume (Preblend), + 2 % of Gel (Preblend), + 0.3 % of LTR (Preblend), + 0.25 % of Polyfak (Preblend), + 0.1 % of CFR-5 (Preblend)				

Fluid & Cement Data		Expected Cement Top:
		--
Wellbore Fluid	Fluid Type	Water
		Water Based Mud
	Viscosity (cP)	--
	Density (lbs/gal)	--
	Yield Point (psi)	--
	Temperature (°F)	Recorded@
		Mar 05, 2014 12:19
		Mar 27, 2014 02:32



Attachment & Tools								
Tubular Plugs	Tubular Plug Type	Size (in)	Supplier					
Rubber Top		7.000	Sanjel					
Units & Personnel								
Units	Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449087	TRAILER	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	03/26/2014 15:30	03/27/2014 03:05
445052	TRAILER	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	03/26/2014 15:30	03/27/2014 03:05
Crew and Bonuses				Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
				Dougllass, Brian	03/26/2014 15:30	03/27/2014 03:05		
				Doran, Benjamin	03/26/2014 15:30	03/27/2014 03:05		
				Klosterman, Sean	03/26/2014 15:30	03/27/2014 03:05		
				Hansen, Kevin	03/26/2014 15:30	03/27/2014 03:05		
				Klosterman, Austin	03/26/2014 15:30	03/27/2014 03:05		
				Rogers, Clifford	03/26/2014 15:30	03/27/2014 03:05		
Treatment Reports & Remarks								



Pumping Service Report
9190942

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Mar 26,2014 15:30	Arrive On Location		--	--	--	--	0.00
2	Mar 26,2014 15:45	Tailgate Meeting		--	--	--	--	0.00
3	Mar 26,2014 15:55	Wait On Instructions		--	--	--	--	0.00
		Remarks: rig still running casing						
4	Mar 26,2014 22:30	Rig In		--	--	--	--	0.00
5	Mar 26,2014 23:25	Safety Meeting		--	--	--	--	0.00
6	Mar 26,2014 23:30	Sign-off on Safety		--	--	--	--	0.00
7	Mar 26,2014 23:37	Establish Circulation	Water	4.00	350.0	--	2.00	2.00
		Remarks: fill lines						
8	Mar 26,2014 23:39	Pressure Test		--	3,500.0	--	--	2.00
9	Mar 26,2014 23:40	Pump Preflush	Water	4.00	400.0	--	10.00	12.00
10	Mar 26,2014 23:44	Pump Preflush	Water	5.00	250.0	--	20.00	32.00
		Remarks: vi sweep						
11	Mar 26,2014 23:52	Pump Preflush	Water	2.00	350.0	--	5.00	37.00
12	Mar 26,2014 00:00	Mix Cement	1:2:6 Poz G	6.50	1,000.0	--	154.00	191.00
13	Mar 26,2014 00:30	Mix Cement	1:1:0 Poz G	5.00	900.0	--	65.00	256.00
14	Mar 26,2014 00:50	Stop		--	--	--	--	256.00
15	Mar 26,2014 00:53	Drop Plug		--	--	--	--	256.00
16	Mar 26,2014 00:55	Pump Displacement	Water Based Mud	5.00	1,000.0	--	222.00	478.00
17	Mar 26,2014 01:46	Bump Plug		--	--	--	--	478.00
18	Mar 26,2014 01:48	Check Float		--	--	--	--	478.00
		Remarks: float held						
19	Mar 26,2014 01:50	Rig Out		--	--	--	--	478.00
20	Mar 26,2014 02:45	Job Complete		--	--	--	--	478.00
21	Mar 26,2014 02:55	Pre-Departure Meeting		--	--	--	--	478.00
22	Mar 26,2014 03:05	Leave Location		--	--	--	--	478.00

Did Float Hold: Yes
 Fluid Returns: Yes
 Type: Cement
 Volume (bbl): 40
 Temperature (°F): 60
 FDAS Functioning Correctly: No
 Was the Program Followed As Per Design?: Yes

Material Transfer Sheet Number
 37159
 37158